

# EXHIBIT 166

to Space Data's Opposition to Defendants'  
Motion for Summary Judgment

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# Location

A location is the place where a particular point or object exists.

## GRADES

6 - 12, Higher Ed

## SUBJECTS

Geography, Geographic Information Systems (GIS), Human Geography, Physical Geography

## CONTENTS

4 Photographs

A location is the place where a particular point or object exists. This collection of signs in Ballyvaughan, County Clare, Ireland, gives visitors and locals information the relative location of many different spots of interest.

Photograph by Paolo Bernabei, My Shot



Encyclopedic Entry

Vocabulary

VIEW OPTIONS

A [location](#) is the place where a particular point or object exists. Location is an important term in [geography](#), and is usually considered more precise than "place." A [locality](#) is a human settlement: city, town, village, or even archaeological site.

A place's [absolute location](#) is its exact place on Earth, often given in terms of [latitude](#) and [longitude](#).

For example, the Empire State Building is located at 40.7 degrees north (latitude), 74 degrees west (longitude). It sits at the intersection of 33rd Street and Fifth Avenue in New York City, New York. That is the building's absolute location.

Location can sometimes be expressed in relative terms. [Relative location](#) is a description of how a place is related to other places. For example, the Empire State Building is 365 kilometers (227 miles) north of the White House in Washington, D.C. It is also about 15 blocks from New York's Central Park. These are just two of the building's relative locations.

Relative location can help analyze how two places are connected, whether by distance, [culture](#), or even [technology](#). The city of Kiev, Ukraine, for example, is about 2,298 kilometers (1,428 miles) east of London, England. The U.S. cities of Key West, Florida, and Anchorage, Alaska, are even further apart—6,436 kilometers (3,999 miles). However, Floridians and Alaskans share the same language, national [government](#), and geographic features. (They both have long ocean coasts subject to heavy [storms](#), for instance.). Culturally, Ukraine and England are much further apart than Florida and Alaska: They speak different languages, have different government systems, and different geographic features. (Ukraine is [landlocked](#), for instance, while England is part of the [island](#) nation of the United Kingdom.)

Directions like north, south, east, and west help describe where one place is in relation to another. The "Wild West" is a cultural location that vaguely refers to parts of the United States west of the Mississippi River. The Wild West, however, rarely includes the states of Alaska and Hawaii, the westernmost states in the nation.

Coordinates of longitude and latitude help pinpoint the absolute location of a person, place, or thing. Knowing a location is 0 degrees west (longitude) and 51 degrees north (latitude) tells you it's probably near Greenwich, England, for instance. Knowing the location is 0 degrees west and 51 degrees, 28 minutes, and 40 seconds north tells you the location is the Royal Observatory, a building in Greenwich. At the Royal Observatory, directions like left, right, upstairs, and downstairs give visitors even more precise locations.

Even absolute location is a form of relative location! Coordinates simply give a place's position relative to the Equator (latitude) and prime meridian (longitude).

## Websites

- [National Geographic News: Key to Lightning Deaths—Location, Location, Location](#)
- [U.S. Department of Education: Location—Position on Earth's Surface](#)

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